Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/05/2017 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123701	-2	1.75	123546	1.74
Blue	F	SSC	125000	124311	-1	3.33	124574	3.16
Blue	E	FITC	21625	21044	-3	2.52	938	10.23
Blue	D	PE	26832	26566	-1	2.03	954	9.65
Blue	B	PerCP-Cy5-5	48027	47695	-1	3.48	1364	16.81
Blue	A	PE-Cy7	40971	40452	-2	5.12	625	34.48
Red	C	APC	49746	48519	-3	2.93	2790	9.33
Red	A	APC-Cy7	53615	52898	-2	2.89	1099	11.14
Violet	B	V450	14488	13777	-5	5.29	656	9.69
Violet	A	V500	55123	53845	-3	5.14	2394	7.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18116	5.91	604	6	N/A	N/A	Pass
Blue	F	SSC	61778	1.44	536	2	N/A	N/A	Pass
Blue	E	FITC	104	37.53	535	-1	0.0205	73	Pass
Blue	D	PE	208	28.15	532	1	0.1619	214	Pass
Blue	B	PerCP-Cy5-5	215	43.66	628	-1	0.0102	65	Pass
Blue	A	PE-Cy7	68	116.90	677	-4	0.0127	18	Pass
Red	C	APC	326	27.15	588	-6	0.0213	70	Pass
Red	A	APC-Cy7	120	40.95	572	-8	0.0057	1876	Pass
Violet	B	V450	80	40.03	472	1	0.0429	1433	Pass
Violet	A	V500	173	22.17	499	3	0.0151	303	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.69	-30.93	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.71	13.27 - 19.91	N/A	N/A	31.08	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11047

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments